State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
P. O. BOX [redacted] CN-029
TRENTON, NEW JERSEY 08625

May 24, 1979

Mr. James Kane
Elson T. Killam Associates
27 Bleeker Street
Millburn, New Jersey 07041

Re: Rockaway Valley Sewerage Authority
Project C-34-389-01
Contract 5

Dear Mr. Kane:

This letter will confirm our requests which were made during the meeting on May 22, 1979, held at the L. E. Carpenter Company which concerned the handling of the chemically polluted groundwater and excavated earth from the trench ROW.

Groundwater (Dewatering)

Develop and submit a contingency plan for handling any and all groundwater which is pumped out of the trench or the adjacent ground. This plan should outline a procedure for handling the water in anticipated amounts and in amounts greater than anticipated.

Excess Trench Backfill Material

Contact NJDEP Solid Waste Administration and submit their recommendations concerning an approved spoil site for disposal of the contaminated excavated material.

Trench Bedding Material

If you decide to change the approved method of bedding the pipe to minimize the "French drain effect" of the stone, please submit your alternate proposal to this office for review.

If you have any further questions please do not hesitate to call.

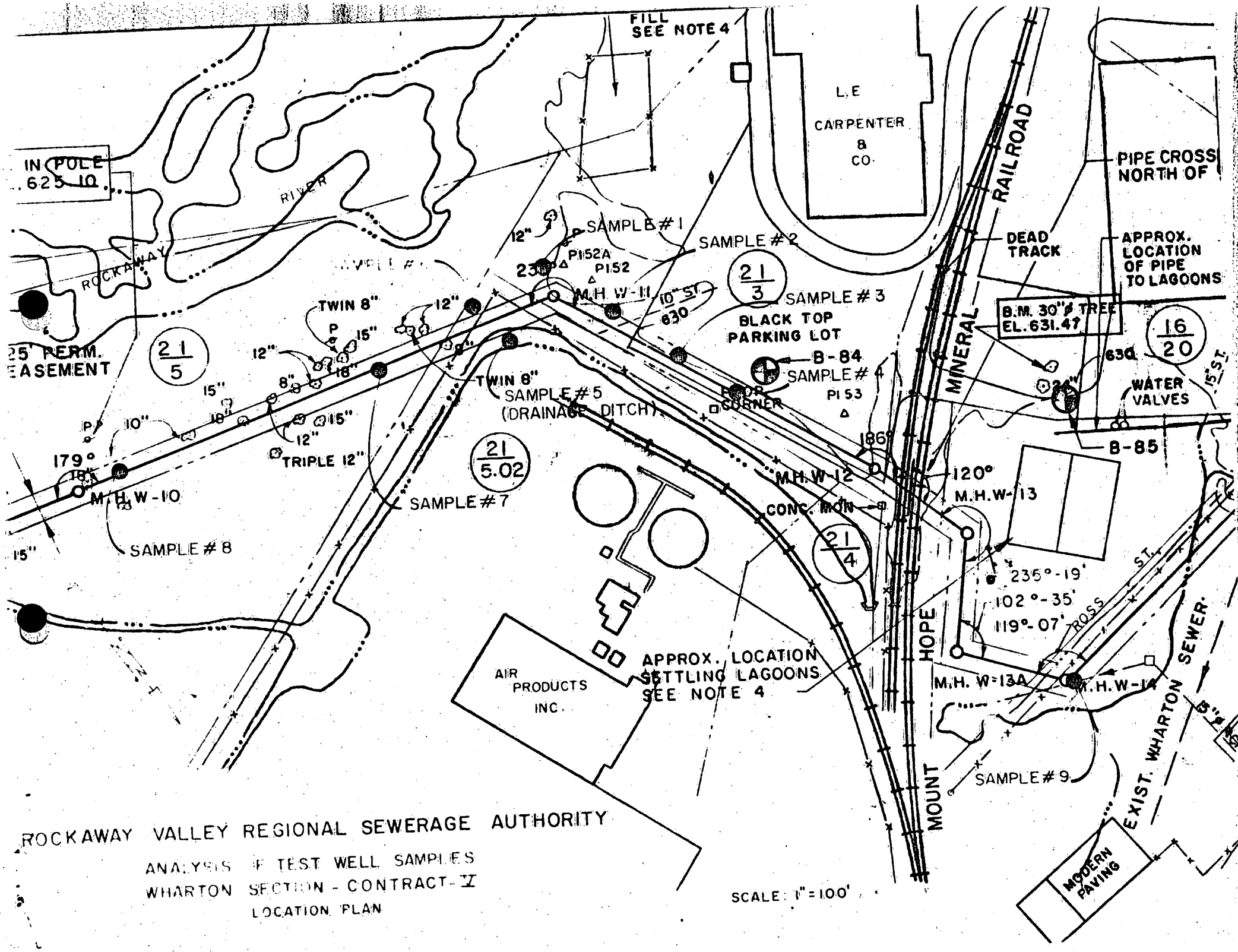
Very truly yours,

George R. Goldy Jr.

George R. Goldy Jr., Supervisor
Construction Control Group
Public Wastewater Facilities Element

GRG:jlb

cc: USEPA - Musinski
USCOE - Mullins & Buk
✓Rockaway Valley Sew. Auth.
Monitoring, Surveillance & Enforcement - P. Lynch
Passaic Basin - P. Kurisko
North Office - C. Brecht



ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY

ANALYSIS OF TEST WELL SAMPLES
WHARTON SECTION - CONTRACT-V
LOCATION PLAN

SCALE: 1" = 100'

ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY

ANALYSIS OF TEST PIT SAMPLES - L. E. CARPENTER & COMPANY

ANALYSIS	SAMPLE #1 WATER PHASE	SAMPLE #1 MIXED PHASE	SAMPLE #2 WATER PHASE	SAMPLE #2 MIXED PHASE	SAMPLE #3 MIXED PHASE	SAMPLE #4 MIXED PHASE	SAMPLE #5 WATER PHASE	SAMPLE #6 WATER PHASE	SAMPLE #7 WATER PHASE	SAMPLE #8 WATER PHASE	SAMPLE #9 WATER PHASE
GENERAL											
pH	7.5	-	7.1	-	7.2	7.1					
COD	700.	24,000	170	17,500	290	80.	3.	857.	277.	94.	-
BOD	-	5,600	-	9,000	90	7.					
Oil & Grease	3,100	>20,000*	6,300	>20,000*	80	20.					
TDS	250.	-	110	-	240.	692.					
TVDS	80.	-	110	-	184.	294.					
ORGANICS											
Phthalic Esters	30.	14,300	N	5,300	11.	1.2					
Dioctyl Phthalate	-	-	O	-	-	-					
Dimethyl Phthalate	25.	9,000	T	3,300	7.	0.8					
Xylene	10.	3,600	AVAILABLE	1,300	3.	0.3					
Polyalkylene-Glycol	200.	6,200.	200.	1,900.	26.	< 0.10	0.002	100	2.5	0.004	0.003
Phenols	0.0	0.0	0.0	0.0	0.0	0.0					
	0.65	-	-	0.39	< 0.10	< 0.10					
HEAVY METALS											
Antimony	< 0.10	NOT	< 0.10	NOT	< 0.10	< 0.10					
Titanium	0.12	AVAILABLE	0.08	AVAILABLE	< 0.05	< 0.05					
Tin	< 0.20		< 0.20		< 0.20	< 0.20					
Cadmium	< 0.005	0.006	< 0.005	0.007	< 0.005	< 0.005					
Lead	< 0.02	0.04	< 0.02	< 0.020	0.155	< 0.020					
Nickel	< 0.005	0.065	< 0.005	0.045	< 0.005	< 0.005					
Zinc	0.020	0.166	0.019	0.125	0.037	< 0.005					
Mercury	< 0.0001	0.0008	< 0.0001	< 0.0001	0.0004	< 0.0001					
Arsenic	< 0.001	0.011	0.004	0.013	0.009	< 0.001					

NOTES:
1) Samples #1 through #4 collected 1/4/79
2) Samples #5 through #8 collected 3/16/79
3) Sample #9 collected 4/3/79
4) Sample #5 was taken from an open drainage ditch.

RESULTS IN MG/L

*APPROXIMATE OIL & GREASE VALUES